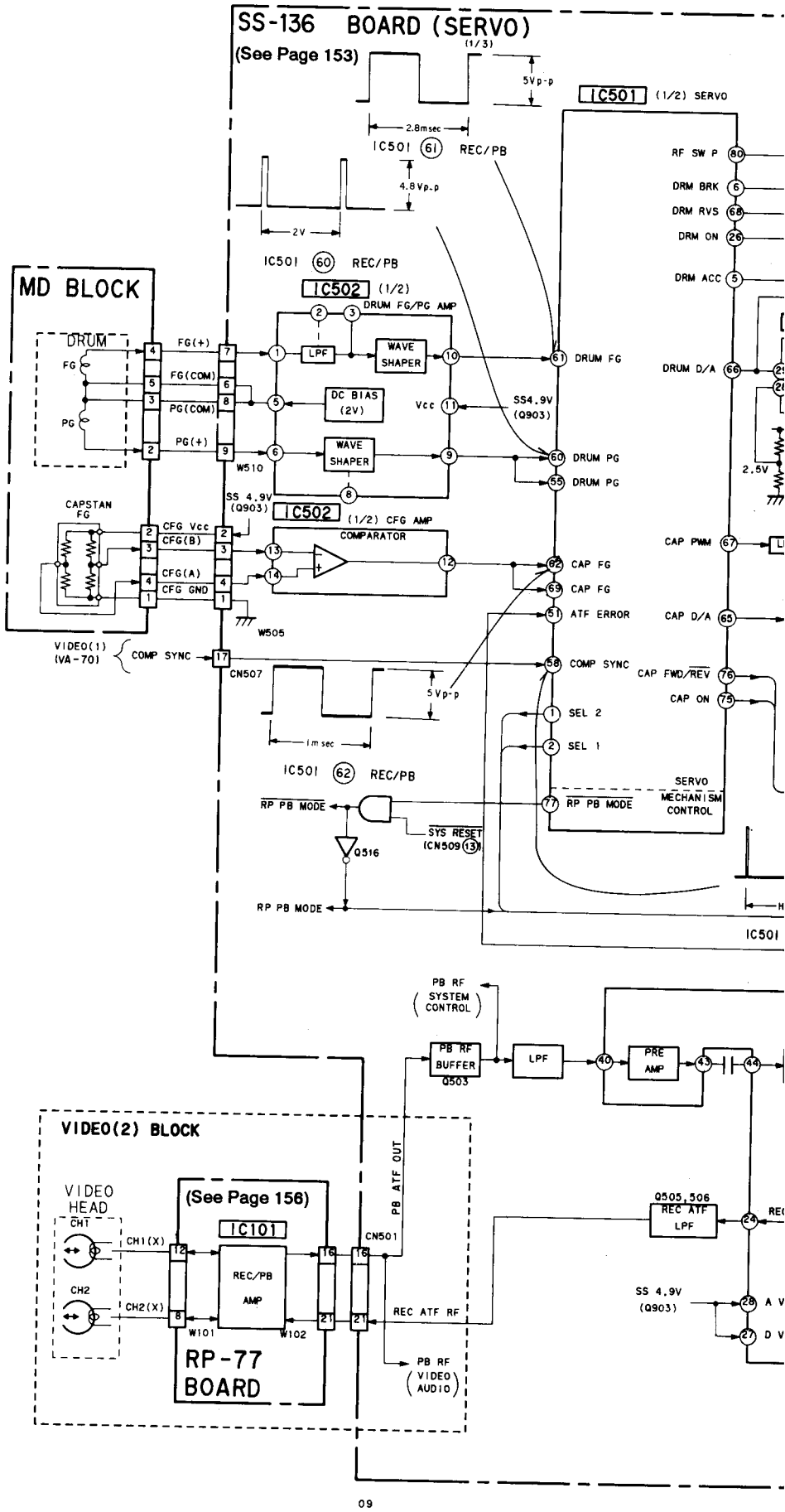
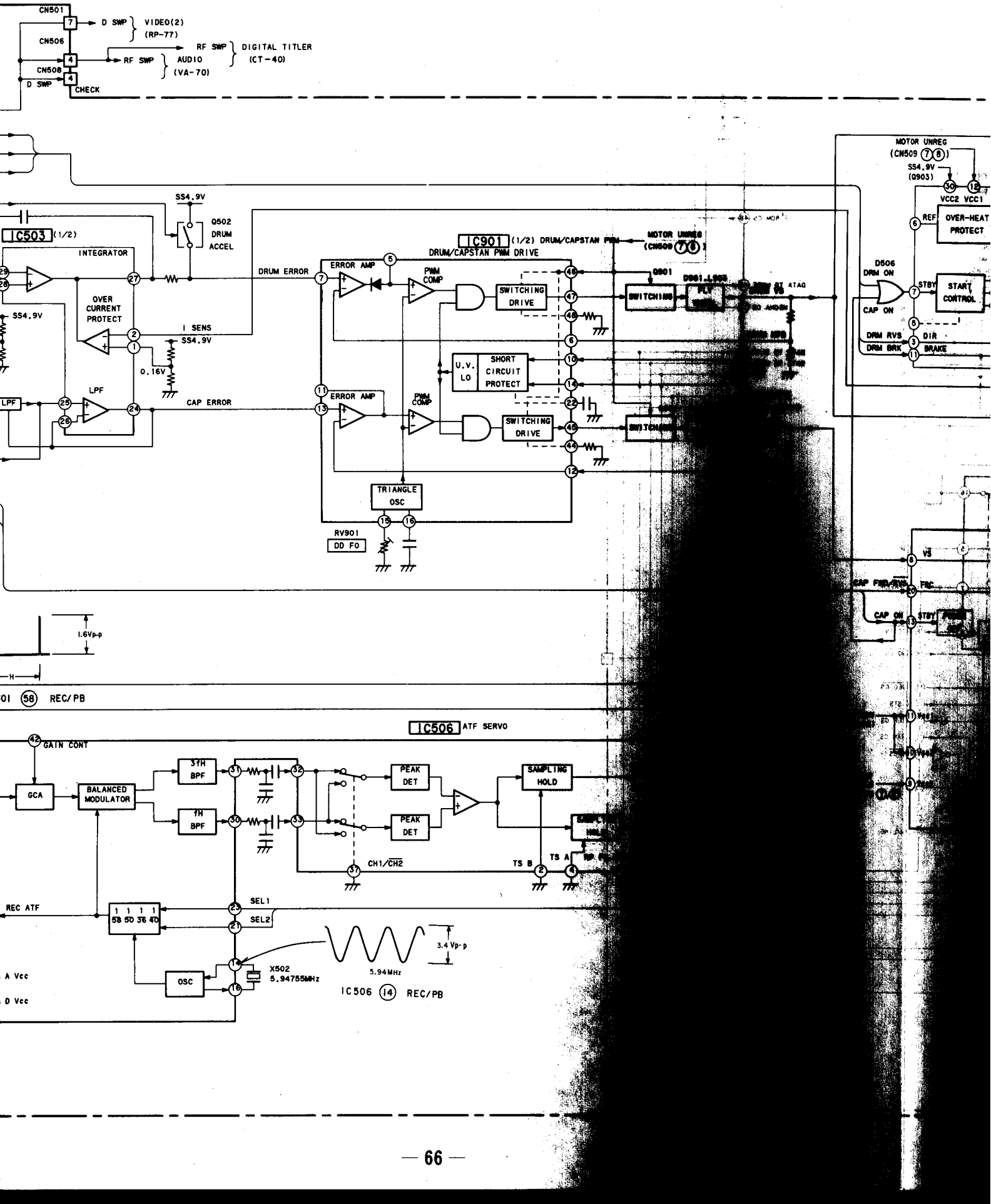
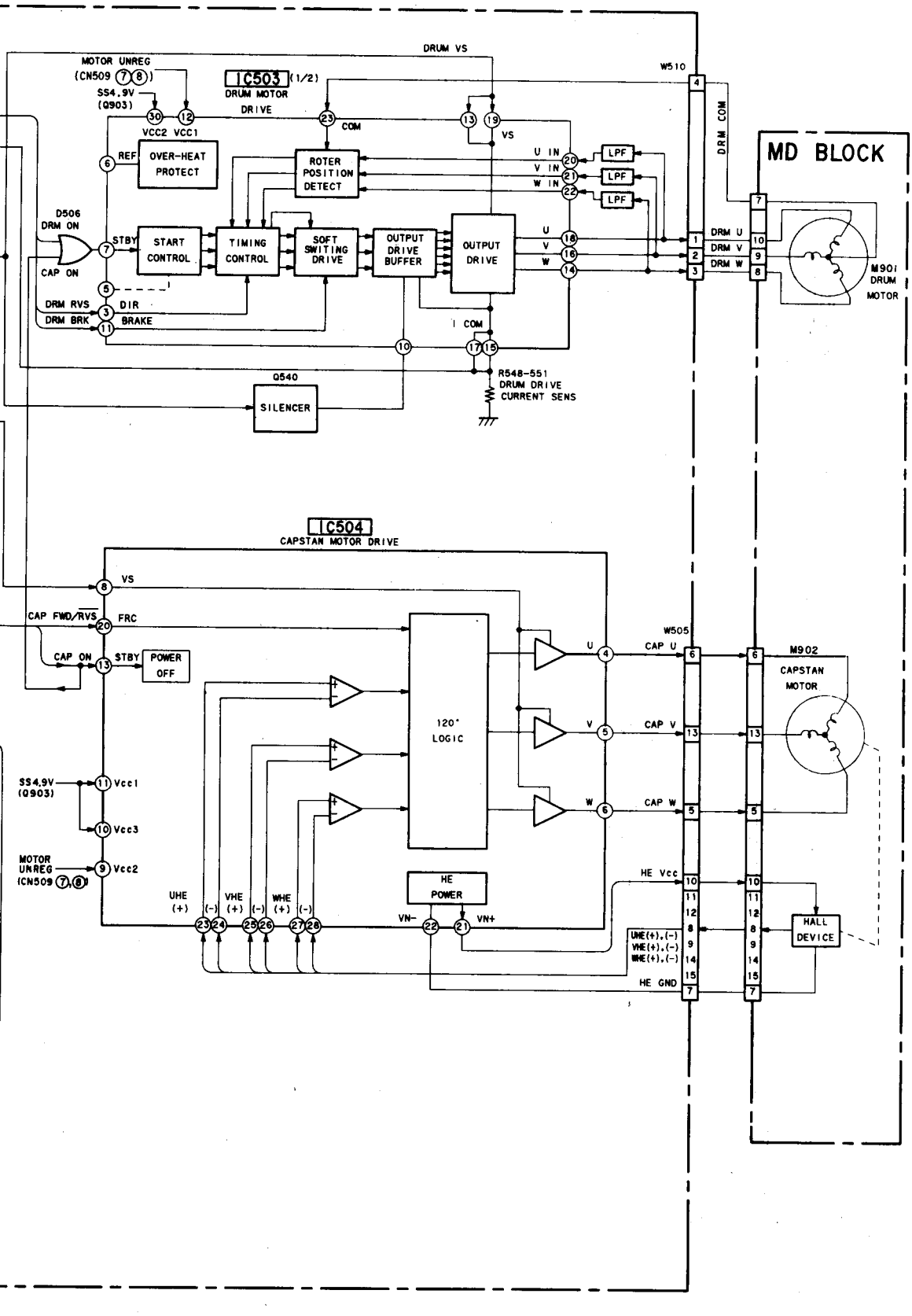
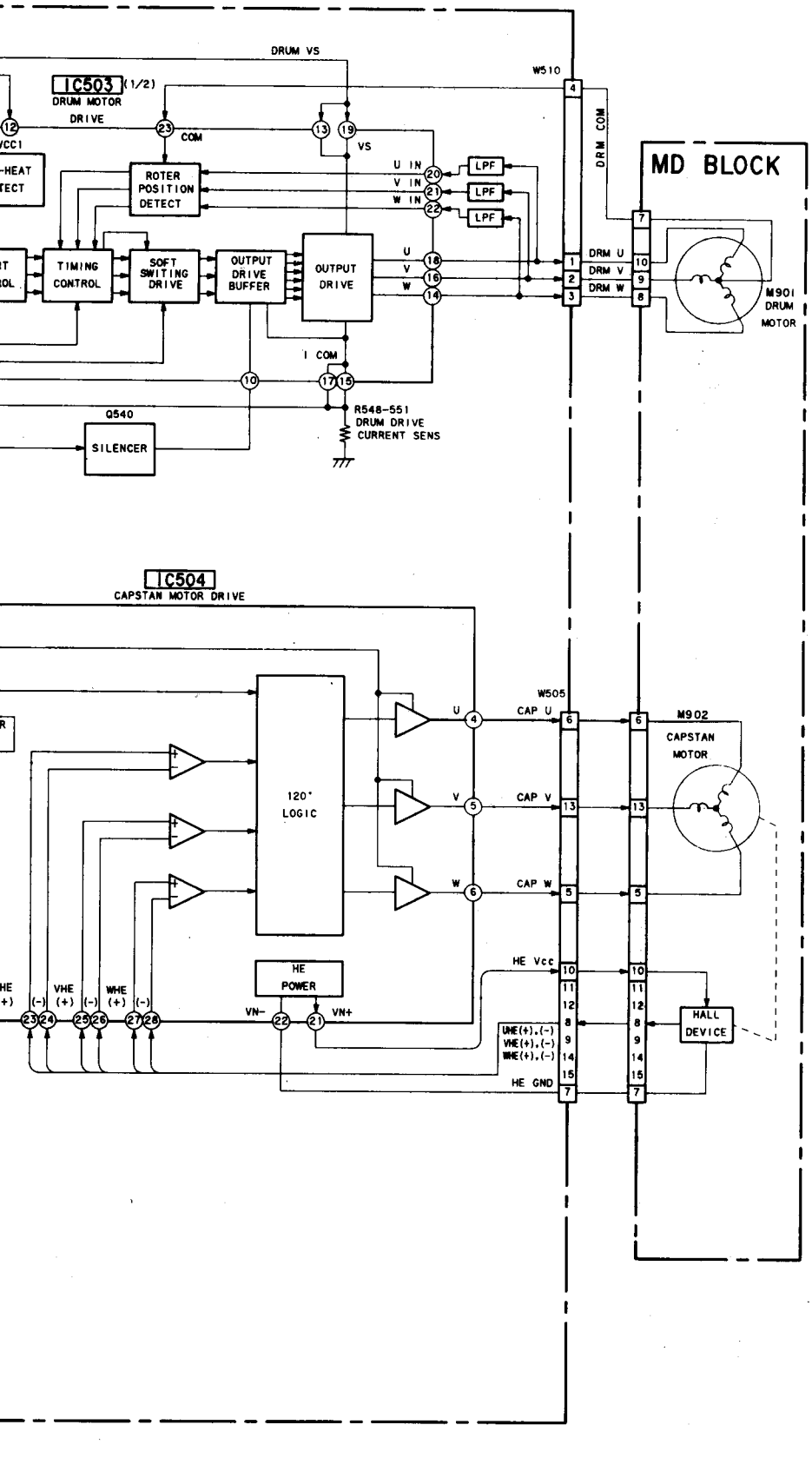
3-9. SERVO BLOCK DIAGRAM



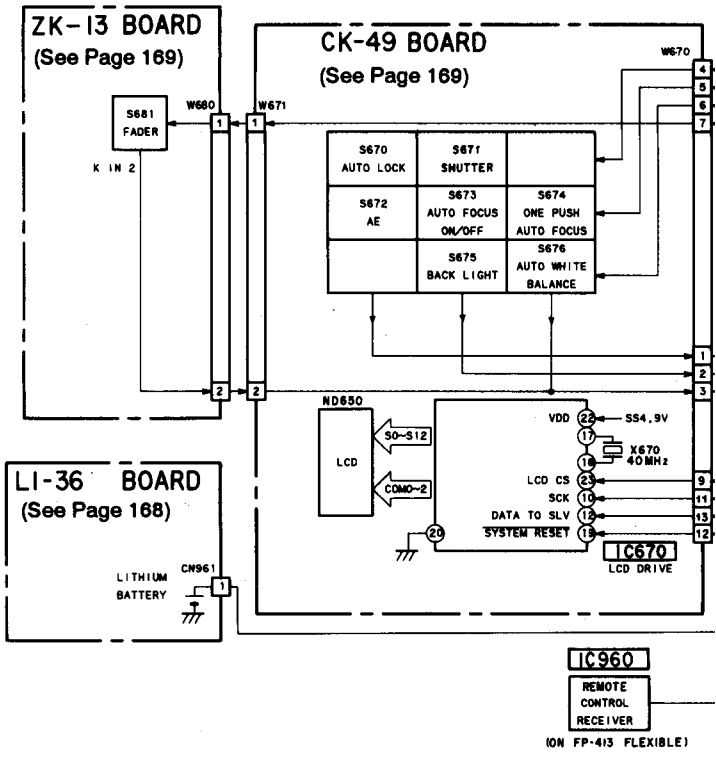
09

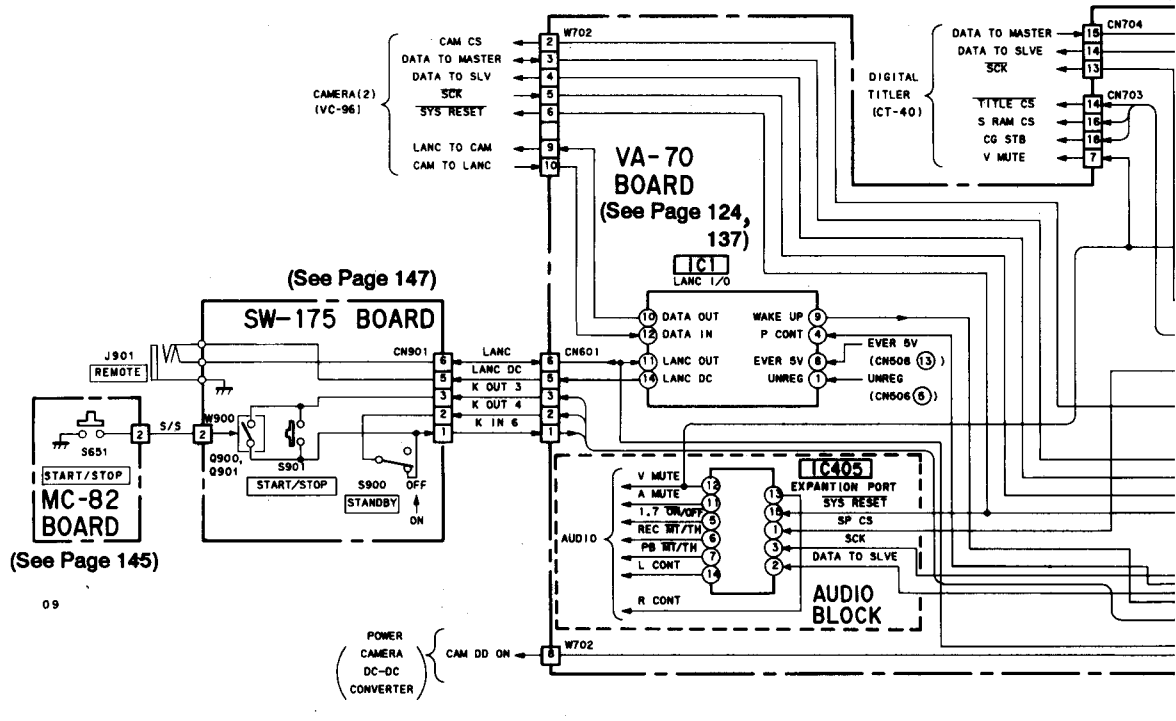

CN501
D SWP
VIDEO(2)
(RP-77)
CN506
RF SWP
DIGITAL TITLER
(CT-40)
CN508
RF SWP
AUDIO
(VA-70)
D SWP
CHECK
MOTOR UNREG
(CN509 7 8)
5S4.9V
(Q903)
VCC2 VCC1
REF
OVER-HEAT PROTECT
D506
DRM ON
CAP ON
START CONTROL
STBY
DRM RVS
DRM BRK
DIR
BRAKE
5S4.9V
Q502
DRUM
ACCEL
IC503 (1/2)
INTEGRATOR
OVER CURRENT PROTECT
I SENS
5S4.9V
0.16V
LPF
CAP ERROR
DRUM ERROR
ERROR AMP
PWM COMP
IC901 (1/2) DRUM/CAPSTAN PWM
DRUM/CAPSTAN PWM DRIVE
MOTOR UNREG (CN509 7 8)
Q901
SWITCHING DRIVE
U.V. LO
SHORT CIRCUIT PROTECT
TRIANGLE OSC
RV901
DD FO
1.6Vp-p
H
01 58 REC/PB
IC506 ATF SERVO
42 GAIN CONT
GCA
BALANCED MODULATOR
5TH BPF
7TH BPF
PEAK DET
SAMPLING HOLD
CH1/CH2
TS B
TS A
REC ATF
SEL1
SEL2
1 1 1 1
5B 5D 3B 4D
OSC
X502
5.94755MHz
3.4 Vp-p
5.94MHz
IC506 14 REC/PB
A Vcc
D Vcc

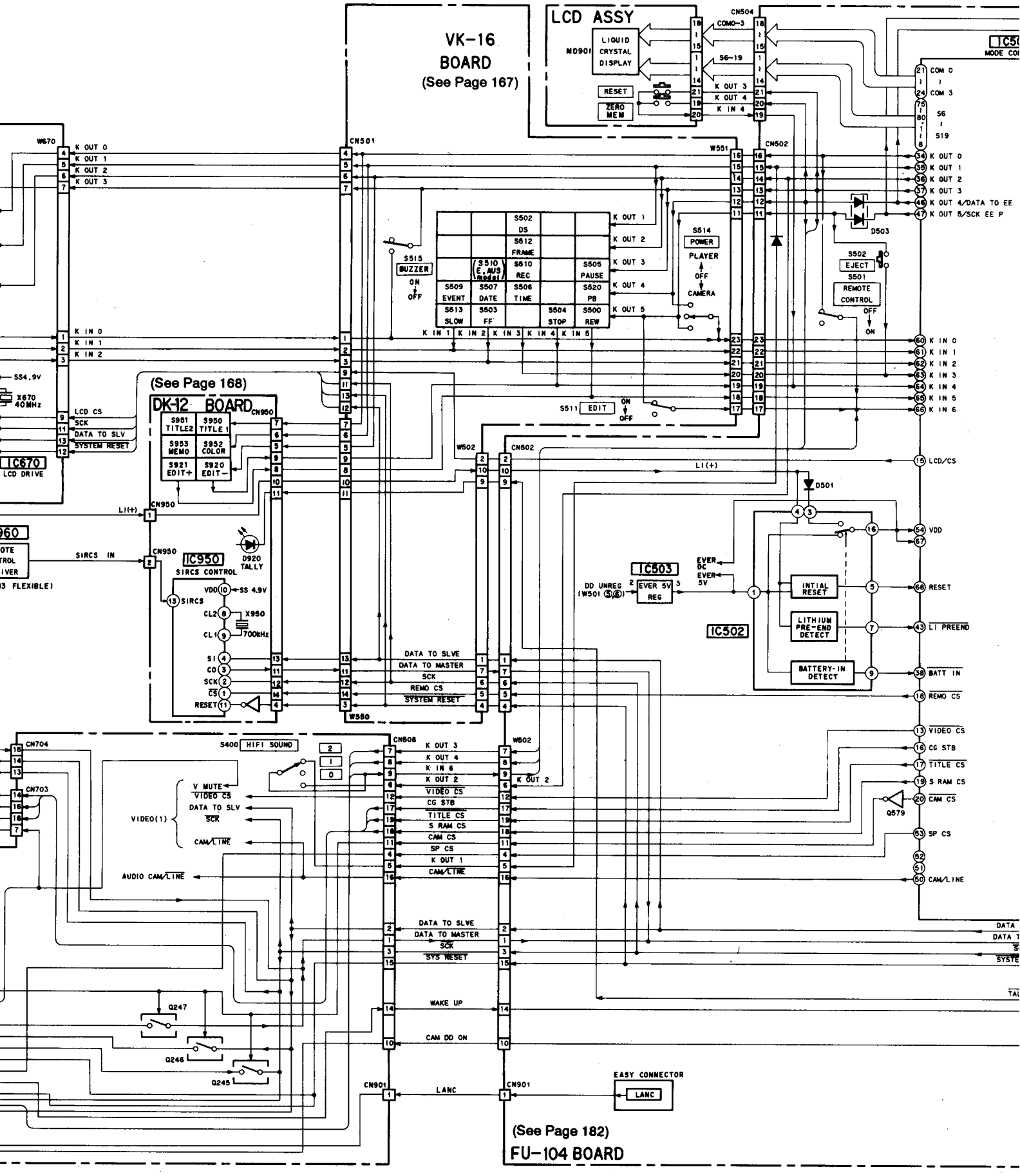

MD BLOCK
IC503 (1/2)
DRUM MOTOR DRIVE
IC504
CAPSTAN MOTOR DRIVE
MOTOR UNREG (CN509 7 8)
SS4.9V (Q903)
DRUM VS
W510
DRM COM
VCC2 VCC1
COM
VS
REF
OVER-HEAT PROTECT
ROTER POSITION DETECT
U IN
V IN
W IN
LPF
D506
DRM ON
CAP ON
STBY
START CONTROL
TIMING CONTROL
SOFT SWITING DRIVE
OUTPUT DRIVE BUFFER
OUTPUT DRIVE
DRM U
DRM V
DRM W
M901 DRUM MOTOR
DRM RVS
DRM BRK
DIR
BRAKE
I COM
Q540
SILENCER
R548-551
DRUM DRIVE CURRENT SENS
VS
CAP FWD/RVS
FRC
POWER OFF
120° LOGIC
W505
CAP U
CAP V
CAP W
M902
CAPSTAN MOTOR
Vcc1
Vcc3
Vcc2
HE POWER
HE Vcc
HE GND
UHE (+)
VHE (+)
WHE (+)
VN-
VN+
HALL DEVICE

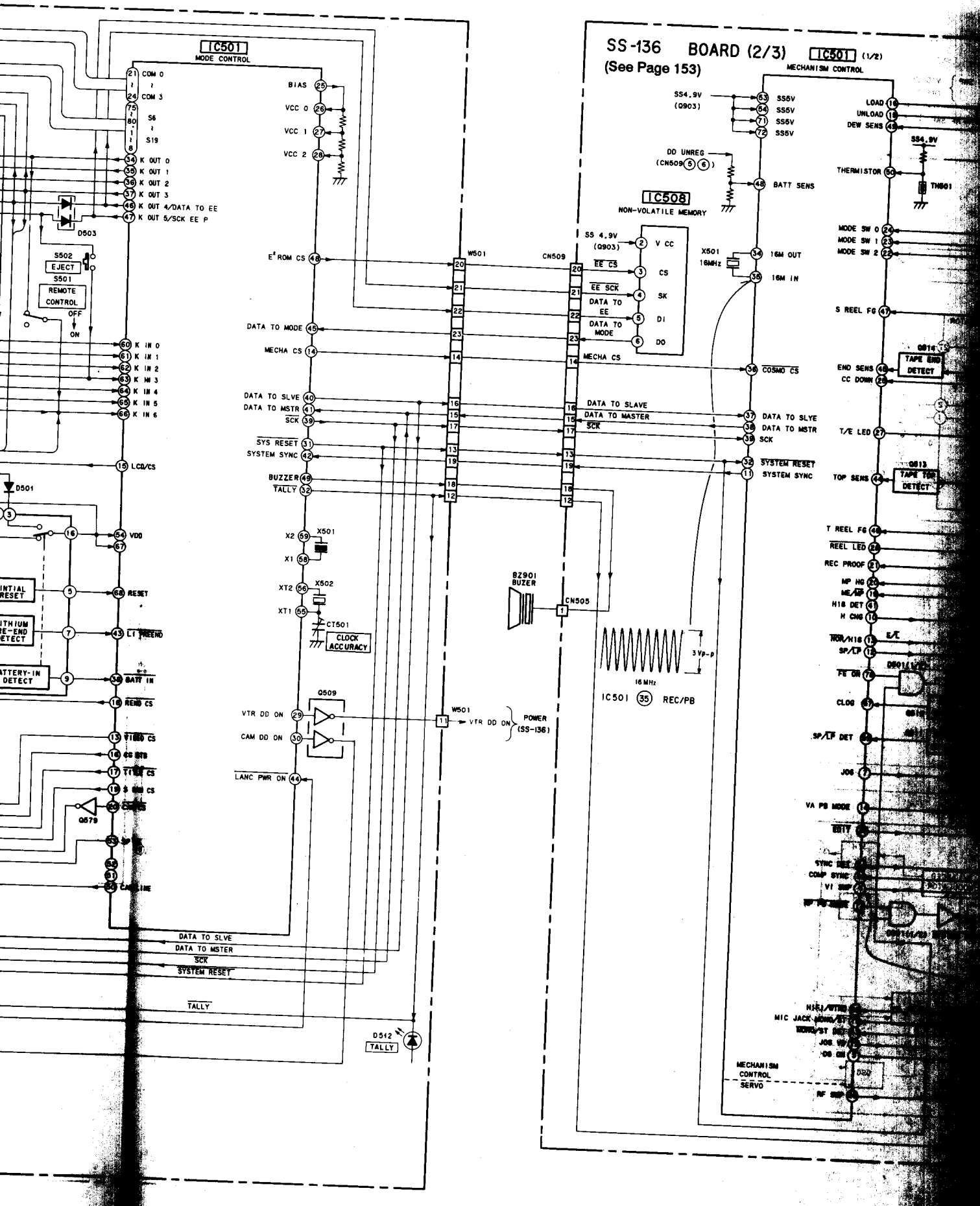

DRUM VS
IC503 (1/2)
DRUM MOTOR DRIVE
COM
VS
W510
DRM COM
MD BLOCK
ROTER POSITION DETECT
U IN
V IN
W IN
LPF
LPF
LPF
TIMING CONTROL
SOFT SWITING DRIVE
OUTPUT DRIVE BUFFER
OUTPUT DRIVE
U
V
W
DRM U
DRM V
DRM W
M901 DRUM MOTOR
I COM
R548-551 DRUM DRIVE CURRENT SENS
Q540
SILENCER
IC504
CAPSTAN MOTOR DRIVE
120° LOGIC
W505
CAP U
CAP V
CAP W
M902 CAPSTAN MOTOR
HE Vcc
HE POWER
VN-
VN+
VHE (+) (-)
WHE (+) (-)
UHE(+),(-)
VHE(+),(-)
WHE(+),(-)
HE GND
HALL DEVICE

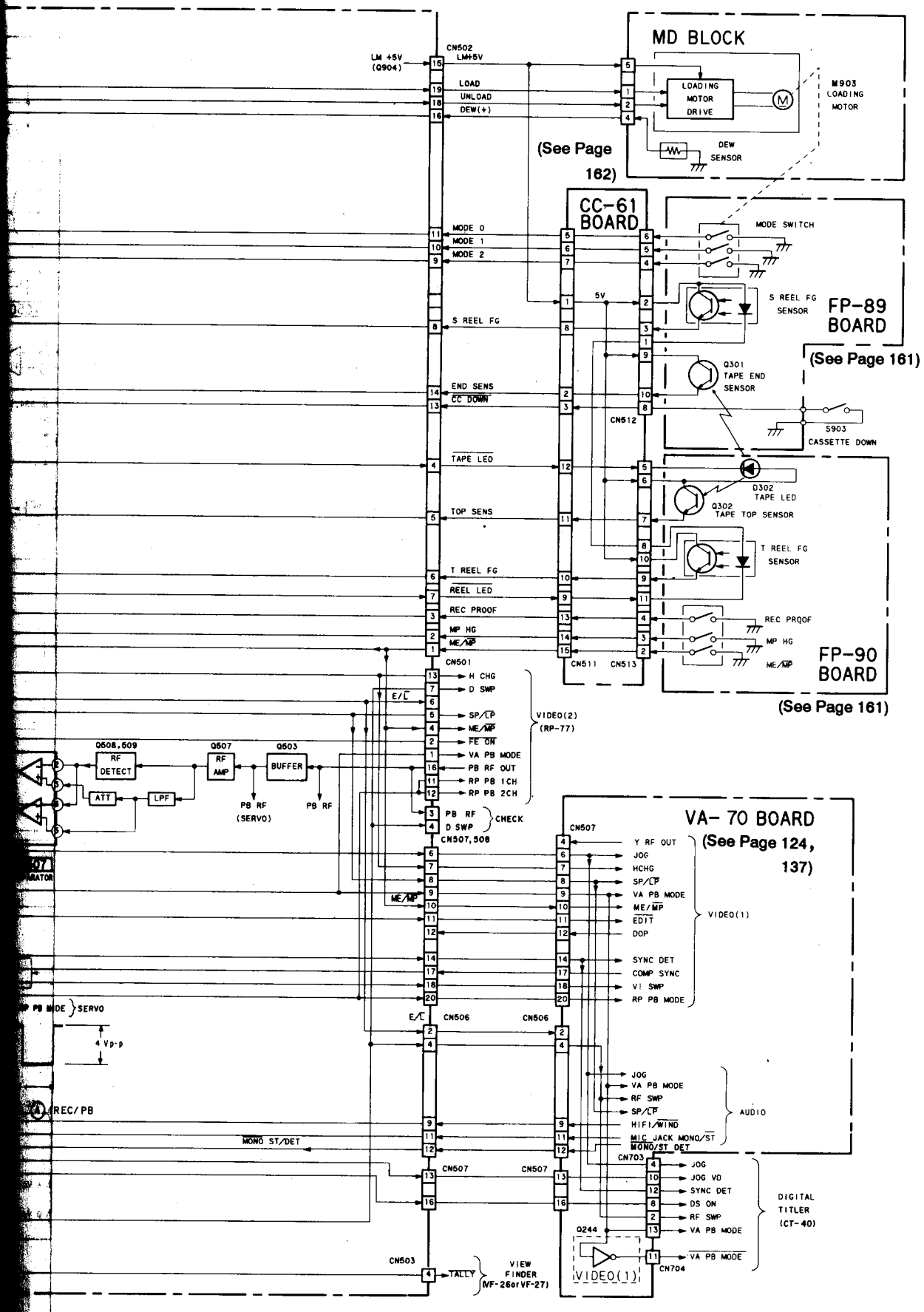
3-10. SYSTEM CONTROL BLOCK DIAGRAM






VK-16
BOARD
(See Page 167)
LCD ASSY
MD901
LIQUID CRYSTAL DISPLAY
RESET
ZERO MEM
CN504
COM0~3
S6~19
K OUT 3
K OUT 4
K IN 4
CN501
CN502
W670
W551
K OUT 0
K OUT 1
K OUT 2
K OUT 3
K IN 0
K IN 1
K IN 2
S54.9V
X670 40MHz
LCD CS
SCK
DATA TO SLV
SYSTEM RESET
IC670
LCD DRIVE
S502 DS
S512 FRAME
S510 E.AUS
S511 REC
S505 PAUSE
S509 EVENT
S507 DATE
S506 TIME
S520 PB
S513 SLOW
S503 FF
S504 STOP
S500 REW
K IN 1 K IN 2 K IN 3 K IN 4 K IN 5
S515 BUZZER ON OFF
S514 POWER PLAYER OFF CAMERA
S502 EJECT
S501 REMOTE CONTROL OFF ON
S511 EDIT ON OFF
D503
(See Page 168)
DK-12 BOARD CN950
S951 TITLE2
S950 TITLE 1
S953 MEMO
S952 COLOR
S921 EDIT+
S920 EDIT-
W502
LI(+)
D501
D920 TALLY
SIRCS IN
IC950
SIRCS CONTROL
VDD SS 4.9V
SIRCS
CL2 X950
CL1 700kHz
SI
CO
SCK
CS
RESET
DATA TO SLVE
DATA TO MASTER
SCK
REMO CS
SYSTEM RESET
W550
IC503
DD UNREG (W501 ⑤⑧)
EVER 5V REG
EVER DC EVER 5V
IC502
INTIAL RESET
LITHIUM PRE-END DETECT
BATTERY-IN DETECT
VDD
RESET
LI PREEND
BATT IN
REMO CS
LCD/CS
VIDEO CS
CG STB
TITLE CS
S RAM CS
CAM CS
SP CS
CAM/LINE
Q579
CN704
CN703
S400 HIFI SOUND
V MUTE
VIDEO CS
DATA TO SLV
SCK
CAM/LINE
VIDEO(1)
AUDIO CAM/LINE
CN508
K OUT 3
K OUT 4
K IN 6
K OUT 2
VIDEO CS
CG STB
TITLE CS
S RAM CS
CAM CS
SP CS
K OUT 1
CAM/LINE
DATA TO SLVE
DATA TO MASTER
SCK
SYS RESET
WAKE UP
CAM DD ON
Q247
Q246
Q245
CN901
LANC
EASY CONNECTOR
LANC
(See Page 182)
FU-104 BOARD


SS-136 BOARD (2/3)
(See Page 153)
IC501
MODE CONTROL
MECHANISM CONTROL
IC508
NON-VOLATILE MEMORY
BIAS
VCC 0
VCC 1
VCC 2
K OUT 0
K OUT 1
K OUT 2
K OUT 3
K OUT 4/DATA TO EE
K OUT 5/SCK EE P
D503
S502
EJECT
S501
REMOTE CONTROL
OFF
ON
K IN 0
K IN 1
K IN 2
K IN 3
K IN 4
K IN 5
K IN 6
LCD/CS
D501
VDD
RESET
LT WREND
BATT IN
REND CS
E²ROM CS
DATA TO MODE
MECHA CS
DATA TO SLVE
DATA TO MSTR
SCK
SYS RESET
SYSTEM SYNC
BUZZER
TALLY
X501
X502
CT501
CLOCK ACCURACY
Q509
VTR DD ON
CAM DD ON
LANC PWR ON
Q579
W501
CN509
SS 4.9V (Q903)
V CC
EE CS
CS
EE SCK
SK
DATA TO EE
DI
DATA TO MODE
DO
MECHA CS
DATA TO SLAVE
DATA TO MASTER
SCK
SYSTEM RESET
SYSTEM SYNC
BZ901 BUZZER
CN505
VTR DD ON
POWER (SS-136)
DD UNREG (CN509 5 6)
SS5V
BATT SENS
X501 16MHz
16M OUT
16M IN
COSMO CS
DATA TO SLVE
DATA TO MSTR
SCK
SYSTEM RESET
SYSTEM SYNC
3Vp-p
16MHz
IC501 (35) REC/PB
LOAD
UNLOAD
DEW SENS
THERMISTOR
TH901
MODE SW 0
MODE SW 1
MODE SW 2
S REEL FG
TAPE END DETECT
END SENS
CC DOWN
T/E LED
TAPE TOP DETECT
TOP SENS
T REEL FG
REEL LED
REC PROOF
H16 DET
SP/LP
FE ON
CLOG
SP/LP DET
JOG
VA PB MODE
COMP SYNC
MIC JACK
MECHANISM CONTROL SERVO
D512
TALLY


MD BLOCK
LOADING MOTOR DRIVE
M903 LOADING MOTOR
DEW SENSOR
(See Page 162)
CC-61 BOARD
CN502
LM +5V (Q904)
LM+5V
LOAD
UNLOAD
DEW(+)
MODE 0
MODE 1
MODE 2
S REEL FG
END SENS
CC DOWN
TAPE LED
TOP SENS
T REEL FG
REEL LED
REC PROOF
MP HG
ME/MP
CN501
CN511
CN512
CN513
5V
MODE SWITCH
S REEL FG SENSOR
FP-89 BOARD
(See Page 161)
Q301 TAPE END SENSOR
S903 CASSETTE DOWN
Q302 TAPE LED
Q302 TAPE TOP SENSOR
T REEL FG SENSOR
REC PROOF
MP HG
ME/MP
FP-90 BOARD
(See Page 161)
H CHG
D SWP
E/E
SP/LP
ME/MP
FE ON
VA PB MODE
PB RF OUT
RP PB 1CH
RP PB 2CH
VIDEO(2) (RP-77)
Q508,509 RF DETECT
Q507 RF AMP
Q503 BUFFER
ATT
LPF
PB RF (SERVO)
PB RF
PB RF
D SWP
CHECK
CN507,508
VA-70 BOARD
(See Page 124, 137)
CN507
Y RF OUT
JOG
HCHG
SP/LP
VA PB MODE
ME/MP
EDIT
DOP
SYNC DET
COMP SYNC
V SWP
RP PB MODE
VIDEO(1)
E/E
CN506
CN506
JOG
VA PB MODE
RF SWP
SP/LP
HIFI/WIND
MIC JACK MONO/ST
MONO/ST DET
AUDIO
MONO ST/DET
CN507
CN507
CN703
JOG
JOG VD
SYNC DET
DS ON
RF SWP
VA PB MODE
DIGITAL TITLER (CT-40)
Q244
VA PB MODE
CN704
VIDEO(1)
CN503
TALLY
VIEW FINDER (VF-26 or VF-27)
4 Vp-p
REC/PB